Variable	Description	0-lepton	1-lepton	2-lepton
$M(\mathrm{jj})$	Dijet invariant mass	✓	✓	✓
$p_T(\mathrm{jj})$	Dijet transverse momentum	✓	✓	✓
$\vec{p}_{\mathrm{T}}^{\,\mathrm{miss}}$	MET transverse momentum	✓	✓	✓
$\mathrm{M_t(V)}$	Transverse mass of vector boson		✓	
$p_{\mathrm{T}}(\mathrm{V})$	Transverse momentum of vector boson		✓	✓
$p_T(\mathrm{jj})/\ p_{\mathrm{T}}(\mathrm{V})$	Ratio of momentum of vector boson and Higgs boson		✓	✓
$\Delta\phi(V,H)$	Azimuthal angle between vector boson and dijet directions	✓	✓	✓
$\mathrm{btag_{max}}$	Working point b-tagging score of leading jet	✓	✓	✓
$\mathrm{btag_{min}}$	Working point b-tagging score of sub-leading jet	✓	✓	✓
$\Delta\eta(\mathrm{jj})$	Pseudorapidity difference between leading and sub-leading jet	✓	✓	✓
$\Delta\phi(\mathrm{jj})$	Azimuthal angle between leading and sub-leading jet	✓	✓	
$p_T^{max}(\mathrm{j_1},\mathrm{j_2})$	Maximum transverse momentum of jet between leading and sub-leading jet	✓	✓	
$p_T(\mathrm{j_2})$	Transverse momentum of the sub-leading jet	✓	✓	
SA5	Number of soft-track jets with momentum greater than 5 GeV	✓	✓	✓
$\mathrm{N_{aj}}$	Number of additional jets	✓	✓	
$\mathrm{btag_{max}}$ (add)	Maximum btagging discriminant score among additional jets	✓		
p_T^{max}(add)	Maximum transverse momentum among additional jets	✓		
$\Delta\phi(\mathrm{jet,\ pfMET})$	Azimuthal angle between additional jet and MET	✓		
$\Delta\phi(\mathrm{lep,pfMET})$	Azimuthal angle between lepton and MET		✓	
M_t	Reconstructed top quark mass		✓	
$p_T(\mathrm{j_1})$	Transverse momentum of leading jet			✓
$p_T(\mathrm{j_2})$	Transverse momentum of sub-leading jet			✓
$M(V)$	Reconstructed vector boson mass			✓
$\Delta R(\mathrm{V,H})$	Angular separation between vector boson and Higgs boson			✓
$\Delta R(\mathrm{V,H})$ (kin)	Angular separation between vector boson (reconstructed after kinematic fit) and Higgs boson			✓
$\sigma(\mathrm{m(jj)})$	Resolution of dijet invariant mass			✓
N_{rec}	Number of recoil jets			✓